

WHAT IS CLAIMED IS:

1. A method for manufacturing a case, the method comprising:

inserting an adhesive between a stack of sheets comprising a rigid material;

5 compressing the stack of sheets;

heat-molding the stack of sheets to form sidewalls and panels for the case; and

heating the stack of sheets using radio frequency radiation.

2. The method of claim 1, further comprising the step of trimming the stack of

10 sheets to remove an excess of material.

3. The method of claim 1, further comprising the step adhering the sidewalls to the

panels, thereby forming an interior and an exterior for the case.

4. The method of claim 3, further comprising the step of stapling the sidewalls to the

15 panels.

5. The method of claim 3, further comprising the step of disposing a shock-

absorbing material within the interior of the case.

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6. The method of claim 5, wherein the shock-absorbing material comprises injection

molded polyurethane foam.

7. The method of claim 5, further comprising the step of fixing a fabric layer over the

25 shock-absorbing material.

8. The method of claim 7, wherein the fabric material comprises velvet.

9. The method of claim 1, further comprising the step of disposing a cover over the exterior of the case.

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10. The method of claim 9, wherein the cover comprises of ballistic nylon.

11. The method of claim 1, wherein the rigid material comprises wood.

10 12. The method of claim 11, further comprising the step of arranging the stack of sheets such that a wood grain pattern of a sheet is approximately perpendicular to a wood grain pattern of an adjacent sheet.

13. The method of claim 11, wherein a sheet has a thickness of approximately 1 mm
15 to 2 mm.

14. The method of claim 1, wherein the adhesive comprises latex glue.

15. The method of claim 1, further comprising the step of fixing a bracket to a corner
20 formed by junction of a sidewall to a panel.

16. The method of claim 15, wherein the bracket is approximately "L" shaped.

17. The method of claim 16, wherein the bracket comprises a polymer.

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18. The method of claim 16, wherein the bracket is fixed on a corner formed on the

exterior of the case.

19. The method of claim 16, wherein bracket is fixed on a corner formed on the interior of the case.

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20. The method of claim 16, wherein the bracket is adhered to a corner using an adhesive.

21. The method of claim 16, wherein the bracket is fastened to a corner using a "Chicago" screw.

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22. The method of claim 1, wherein the stack of sheets comprises compressed wood.

23. The method of claim 1, wherein the stack of sheets comprises compressed paper.

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24. The method of claim 1, further comprising the step of shaping the stack of sheets prior to inserting the adhesive.

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25. A case for musical instruments, the case having an interior and an exterior, comprising:

a plurality of panels comprised of a plurality of layered wooden sheets, wherein an adhesive is inserted between each wooden sheet, and wherein the plurality of wooden sheets are compressed, heat-molded, and irradiated with radio waves;

a molded shock-absorbing material disposed on an interior of the case;

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- a fabric layer disposed over the molded shock-absorbing material; and

a cover disposed over an exterior of the case.

26. The case of claim 25, further comprising a plurality of staples to adhere at least a first panel to a second panel of said plurality of panels.

5 27. The case of claim 26, further comprising at least one "L" shaped bracket disposed on a junction formed by the first and second panels.